Abstract of the Disclosure

A digital signature system is provided on a server for use by remote clients, such as by using a browser. The server generates and maintains all of the users' keys used for producing a digital signature. A user sends a data object to the server, and the server generates a digital signature for the data object using the private key stored at the server. The server then sends the digital signature to the client. A client can, at a later time, send the signature back to the server for verification.